

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 03/11/2006

DSR Number: 113-05-018R Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO _____
Approved: YES ☒ NO _____
Funding Priority Number (from Section 4) 2cdef
Limited Resource Area: YES _____ NO ☒

Section 1B Sponsor Information

Sponsor Name: Seventh Ward Gravity Drainage District No. 2

Address: 6855 Woodlawn Road

City/State/Zip: Maurice, LA 70555

Telephone Number: (337) 893-1180 Fax: (337) 893-6540

Section 1C Site Location Information

County: Vermilion State: Louisiana Congressional District: 7th

Latitude: 29.85691 Longitude: 92.21240 Section: 1 Township: 14S Range: 2E
UTM Coordinates: _____

Drainage Name: Bernard Canal w/Lateral-1 Reach: 1

Damage Description: Hurricane Rita deposited chunks of marsh in canal, eroded levee and damaged a few trees along canal

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>		Hurricane Rita
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>		
Threat to life and/or property?*	<input checked="" type="checkbox"/>		
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>		
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>		
For structural repairs, not repaired twice within ten years?**	<input checked="" type="checkbox"/>		
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>		
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO _____

Comments: Gravity Drainage District has been consulted

* Statutory

** Regulation

*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages. 1 of 14

Approved 7/2005

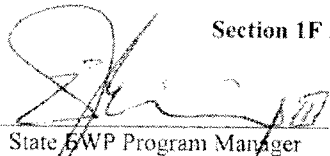
Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A: Remove marsh balls and debris from channel via the north side on the east- west reach where possible. The south side will only be used when necessary to minimize damages. Debris will be removed on the east side of the north – south reach. Debris and silt will be spread along the toe of spoil to normal ground. In addition, Repair approximately 150' reach of channel bank on the south side of the east-west reach to reduce sedimentation and erosion. The alternative action is to use both sides of channel to remove debris and carry offsite.

Total installation cost identified in this DSR: Section 3:

Section 1E NRCS State Office Review and Approval

Reviewed By:



State EWP Program Manager

Date Reviewed:

4/25/06

Approved By:



State Conservationist

Date Approved:

4/26/06

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies, IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.)

Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes, namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	No Action	Alternative
		Remove Marsh balls& debris from one side of channel where possible. See sec. 1E for specific information.	Leave debris and marsh balls in channel	Remove debris and Marsh balls from both sides of channel and dispose offsite.
2D Effects of Alternatives				
Soil				
Bank erosion	Stable except for one 150' reach along south side.	Temporary increase in bank erosion from removal activities, stabilize problem area on south side	More bank erosion and undercutting due to flooding.	Temporary increase in bank erosion due to removal activities on both sides.
Compaction	Compaction present due to spoil used as access.	Slight increase in compaction at access points due to heavy equipment.	Compaction present due to spoil used as access.	Heavy equipment will cause moderate compaction on both sides.
Water				
Flooding	Property/ homes upstream subject to flooding from blockages after heavy rainfall event.	Upstream flooding reduced and property damage minimized from heavy rainfall	Property/ Homes subject to continued flooding from heavy rainfall event.	Upstream flooding reduced and property damage minimized from heavy rainfall
Excessive sediments and turbidity	Stream flow minimal, no sediment problems will occur until future heavy rainfall. Water is turbid from sediment. .	Disturbance from heavy equipment and bank repair will cause short term increase in sediment and turbidity, but reduce long term impacts.	Sedimentation and turbidity will increase as result of stream bank erosion and scour erosion following heavy rainfall	Disturbance from heavy equipment and bank repair will cause short term increase in sediment and turbidity, but reduce long term impacts
Stream health (SVAP)	2.7 (poor)	3.0 (poor)	2.7 (poor)	3.0 (poor)
Air				
Particulate matter	No effect	Slight increase during debris removal	No effect	Slight increase during debris removal.
Plant				
Productivity health and vigor of Riparian vegetation.	Few to No Riparian trees present. Adjacent area converted to agriculture, spoil bank/access road.	Temporary disturbance of herbaceous vegetation at access points not on road.	Few to No Riparian trees present. Adjacent area converted to agriculture, spoil bank/access road	Temporary disturbance of herbaceous vegetation from work along both sides of channel.
Productivity, and health and aquatic vegetation	Aquatic plants limited due turbidity	Removal of debris will not alter vegetation.	Stream aquatic growth will remain poor with limited vegetation.	Removal of debris will not impact aquatic vegetation.
Animal				
Inadequate cover/shelter for wildlife along stream corridor	Lack of Riparian buffer has limited any cover and shelter	Proposed action will have no effect on Cover/ shelter	Lack of Riparian buffer has limited any cover and shelter	Proposed action will have little effect on Cover/ shelter
Inadequate cover/shelter for stream fisheries	Turbidity limits positive aquatic growth. Marsh balls increase BOD.	Removing marsh balls improves BOD, slightly improving stream integrity.	Turbidity limits positive aquatic growth. Marsh balls increase BOD	Removing marsh balls improves BOD, slightly improving stream integrity.
Other				
Aesthetics	Presents of marsh balls and debris diminishes landscape	Minor but temporary disturbance on working side due to heavy equipment on access lanes.	The landscape will remain the same except changes due to future flooding	Minor but temporary disturbance on both sides due to heavy equipment on access lanes.
Mosquito and insect vectors	Increased danger of disease due to stagnant water	Restore channel to pre storm flow conditions	Increased danger of disease due to stagnant water	Restore channel to pre storm flow conditions

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	Moderate water quality, no obvious contaminants.	Improved water quality. CWA permit needed, Water quality certification needed.	Decreased water quality. Increased blockage and flooding.	Improved water quality. CWA permit needed, Water quality certification needed
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	Use FOTG guidance. State level review needed.	Same as existing	Same as existing	Same as existing
Endangered and Threatened Species	Use FOTG guidance. USFWS/LDWF list shows species in parish but none likely in project area.	Same as existing	Same as existing	Same as existing
Environmental Justice	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.
Essential Fish Habitat	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.	Not a factor in this project area.
Fish and Wildlife Coordination	No stream modification proposed.	Will coordinate if issues arise in CWA 404 permit application process.	N/A	Will coordinate if issues arise in CWA 404 permit application process
Floodplain Management	Project is within 100 year floodplain	Improve drainage and reduce level of flooding to pre hurricane conditions.	N/A	If selected, project will improve drainage and reduce level of flooding to pre storm conditions.
Invasive Species	Few Chinese tallow present along adjacent areas.	No impact from construction	Chinese tallow will remain present along adjacent areas	No impact from construction
Migratory Birds	Minor habitat present to neo tropical migrants	No impact on neo-tropical habitat.	Minor habitat present to neo tropical migrants	No impact on neo-tropical habitat
Natural Areas	Use FOTG guidance. no natural areas identified	Use FOTG guidance. no natural areas identified	Use FOTG guidance. No natural areas identified	Use FOTG guidance. no natural areas identified
Prime and Unique Farmlands	Prime farmland identified on site. Cy, Mn, Pa.	Prime farmland soils occur, but project will have minor impact on farmland.	Prime farmland identified on site. Cy, Mn, Pa	Prime farmland soils occur, but project will have minor impact on farmland
Riparian Areas	No trees present, introduced and native grasses present along spoil except by road.	Short term impact to grasses and forbs during access and construction. (only when road not used)	No trees present, introduced and native grasses present along spoil	Short term impact to grasses and forbs during access and construction
Scenic Beauty	Stream aesthetics diminished due to presents of marsh balls and stagnant water.	Stream aesthetics will be restored	Continued poor aesthetics and stagnant water.	Stream aesthetics will be restored
Wetlands	Wetland functions and values altered due to obstructions	Removal of marsh balls will return flow and restore wetland functions to pre storm conditions	Wetland functions and values altered due to obstructions	Removal of marsh balls will return flow and restore wetland functions to pre storm conditions
Wild and Scenic Rivers	No listed streams affected by project.	No impact on listed streams or rivers	No impact on listed streams or rivers	No impact on listed streams or rivers

DSR NO: 113-05-018R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
6 homes x \$92,506	\$555,035	20%	\$111,007
2 barns x \$14,240	\$28,480	20%	\$5,696
Properties Protected (Public)			
Business Losses			
Other			
1 48"x40' CMP at crossing on Theall Road x \$2,000	\$2,000	25%	\$500
Total Near Term Damage Reduction \$			\$117,203
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			\$

See attached Real Estate Market Value Worksheets.

Completed By: Sarah Haymaker

Date: March 16, 2006

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?	X		Emergency vehicle access to the area could be restricted.
Has access to a hospital or medical facility been impaired by watershed impairment?		X	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	X		Impairment increases flooding impact throughout the community. If channel floods, access to property will be limited. Loss of electrical power and communications was experienced.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Future events would impact nearby roadways, bridges and access to emergency services.

Completed By: Sarah HaymakerDate: March 16, 2006

Section 2H Group Representation and Disability Information**This section is completed only for the preferred alternative selected.**

Group Representation	Number		
American Indian/Alaska Native Female Hispanic			
American Indian/Alaska Native Female Non-Hispanic			
American Indian/Alaska Native Male Hispanic			
American Indian/Alaska Native Male Non-Hispanic			
Asian Female Hispanic			
Asian Female Non-Hispanic			
Asian Male Hispanic			
Asian Male Non-Hispanic			
Black or African American Female Hispanic			
Black or African American Female Non-Hispanic	1	<1%	0
Black or African American Male Hispanic			
Black or African American Male Non-Hispanic	1	<1%	0
Hawaiian Native/Pacific Islander Female Hispanic			
Hawaiian Native/Pacific Islander Female Non-Hispanic			
Hawaiian Native/Pacific Islander Male Hispanic			
Hawaiian Native/Pacific Islander Male Non-Hispanic			
White Female Hispanic	1	<1%	0
White Female Non-Hispanic	85	48%	9
White Male Hispanic	2	1%	0
White Male Non-Hispanic	83	47%	9
Total Group	173	100%	18

NOTE: This demographic data was taken from the 2000 U.S. Census. See the attached tables for details. The data indicates there are 178 persons in 60 households. 178 p/60 h = 3 persons/household. 6 h x 3 p/h = **18** people in the area affected.

Census tract(s) Tract 9511 Block 1042Completed By: Sarah HaymakerDate: March 16, 2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits: Access to channel from private properties will require easements/permissions to be obtained by sponsor. Recommend consultation of contractor for right of way access to channel to accommodate equipment being used. Coordination will be handled by NRCS representative to reduce amount of impact to surrounding environment.

Mitigation Description: Access to remove and spread debris from Bernard channel and lateral will be from one side when possible to minimize impacts and reduce disturbances. This alternative will prevent impacts to both sides and minimize Riparian disturbance. Proposed action will help restore hydraulic function to downstream wetlands and reduce mosquito breeding areas and vector problems in adjacent floodplains. Action will be completed without interruption to reduce impacts to stream fisheries, wildlife and local residents.

Agencies, persons, and references consulted, or to be consulted:

Corps of Engineers, New Orleans District
Louisiana Department of Environmental quality
Louisiana Department of Wildlife and Fisheries
Vermilion parish Government

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?				
2. Is this a site where there is serious, but not immediate threat to human life?	X			2-c,d,e,f
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?			No	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			No	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			Yes	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Yes	
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			Yes	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			Yes	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Section 5A Findings**Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):**

used when necessary to minimize damages. Debris will be removed on the east side of the north – south reach. Debris and silt will be spread along the toe of spoil to normal ground. In addition, Repair approximately 150' reach of channel bank on the south side of the east-west reach to reduce sedimentation and erosion. The alternative action is to use both sides of channel to remove debris and carry offsite.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

 x Has been sufficiently analyzed in the EWP PEIS (reference all that apply)

Chapter 5.2.2.1.2

Chapter _____

Chapter _____

Chapter _____

Chapter _____

 May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team Bob Dill

Title: D.C.

Date: 4-13-06

Section 5B Comments:**Section 5C**

Sponsor Concurrence: Donald F. Laguerre

Sponsor Representative

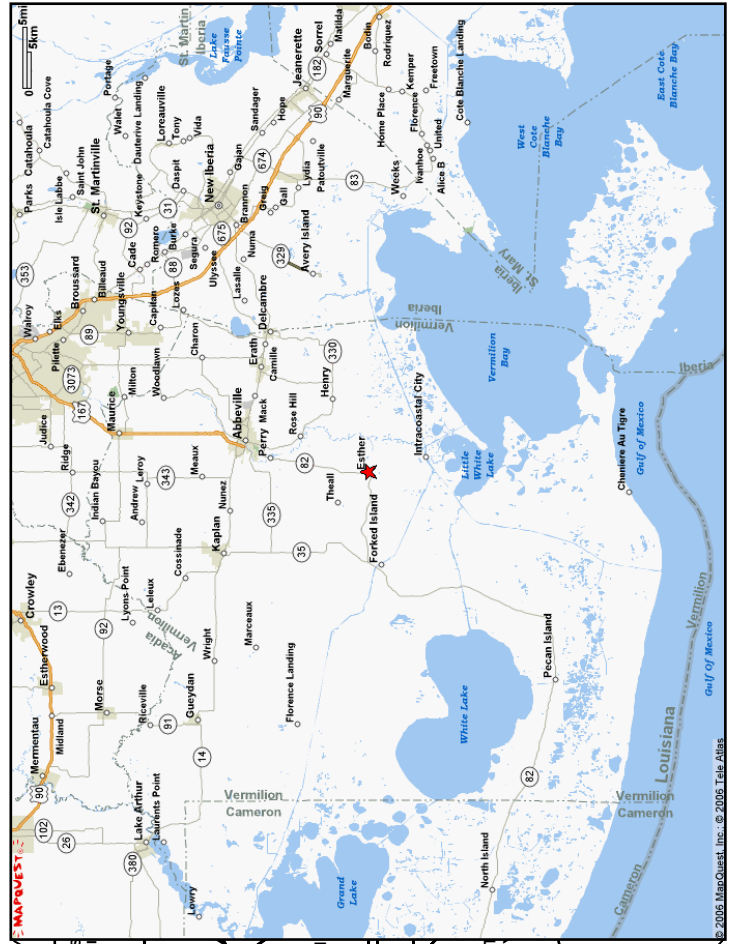
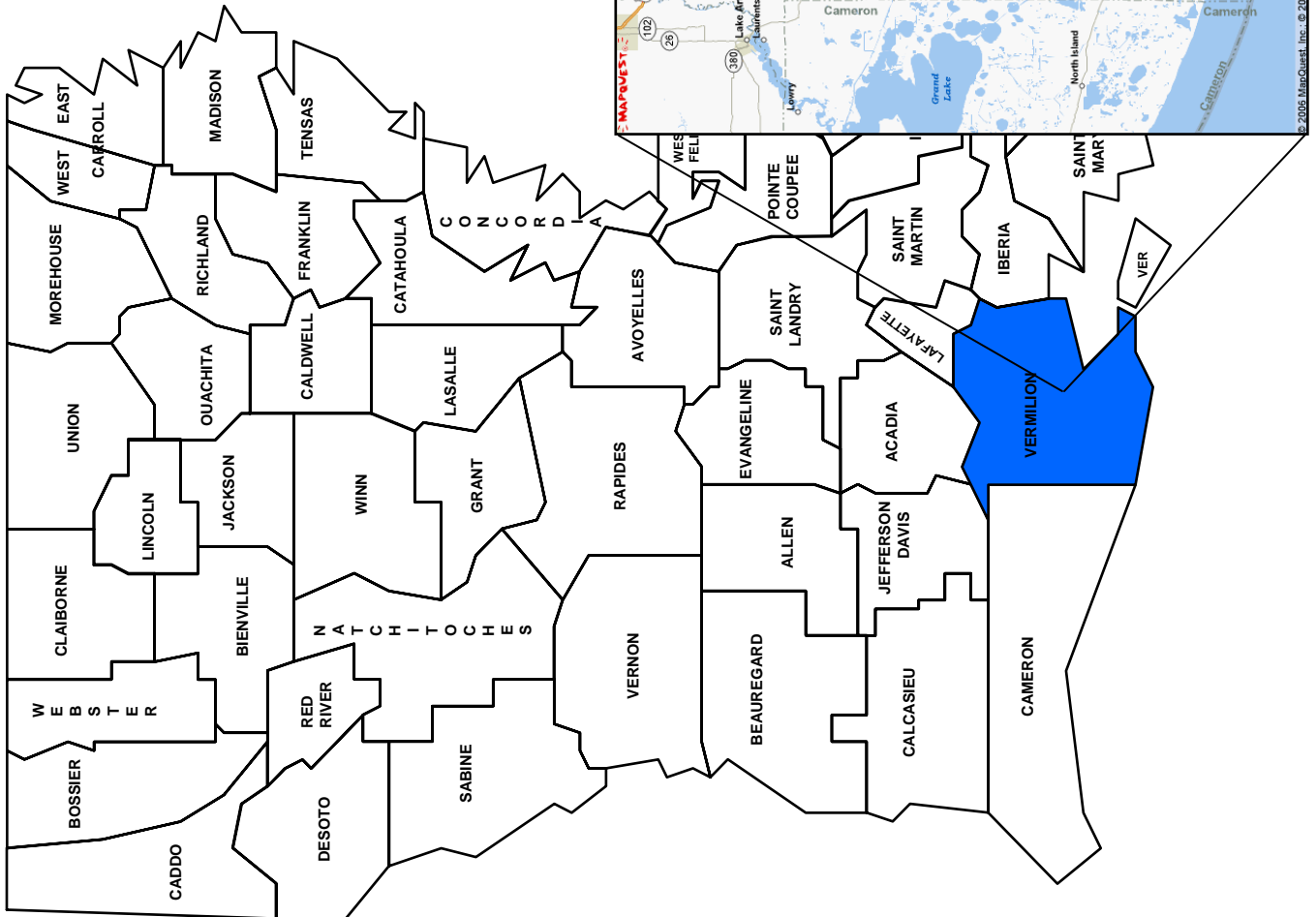
Title: President

Date: 4/13/06

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

Channels: Bernard Canal & Lateral 1

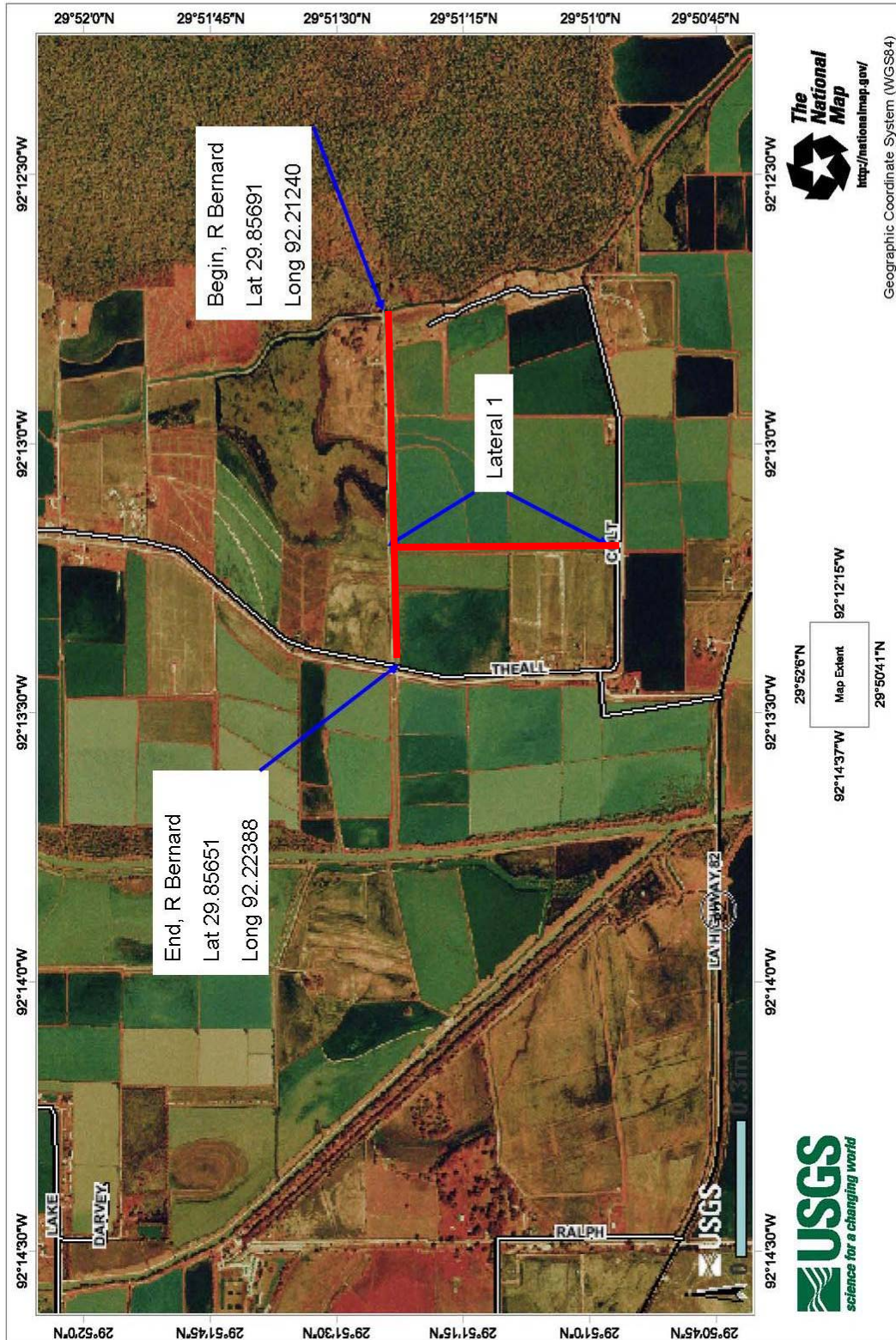


SITE MAP

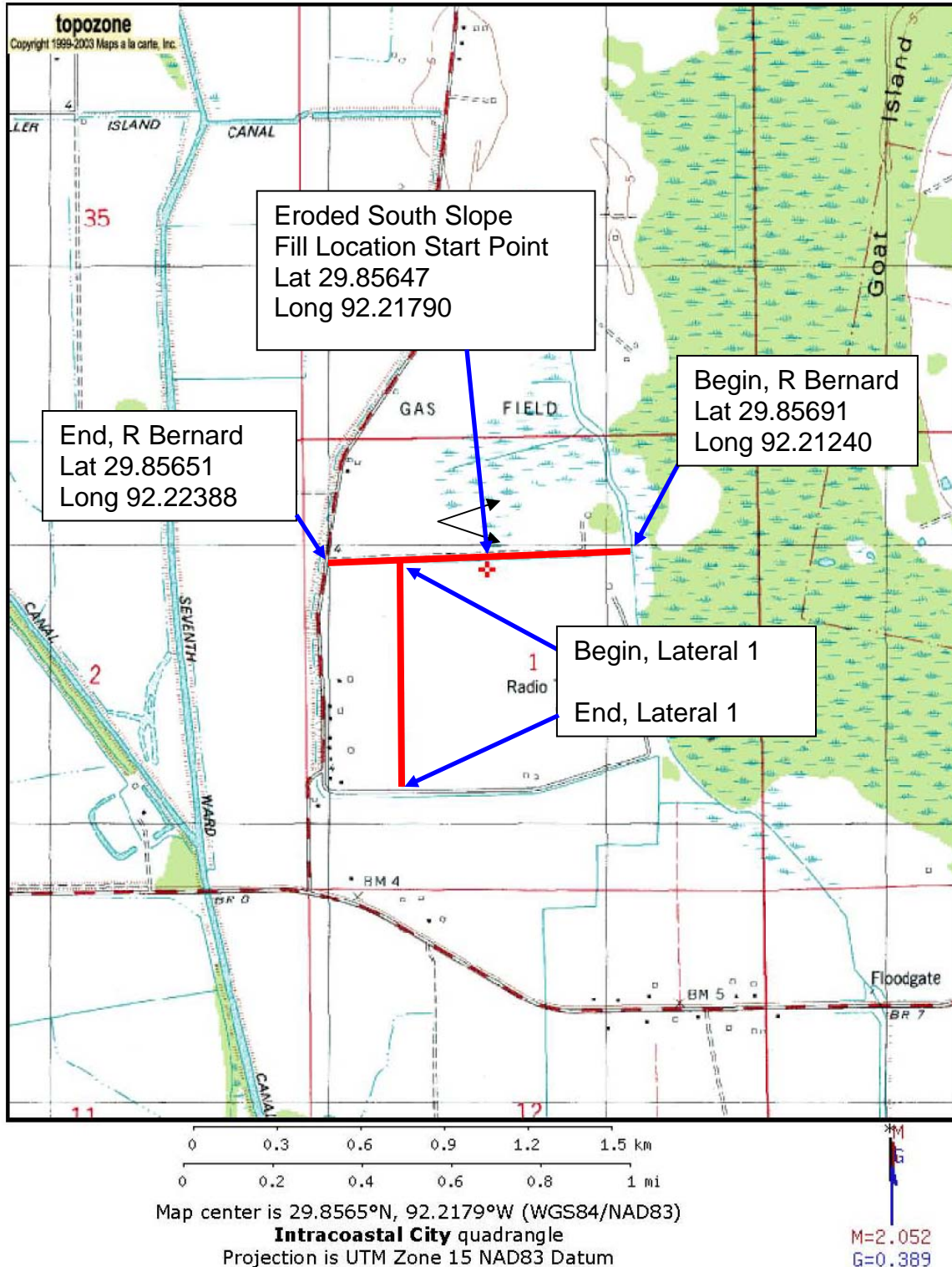
DSR 113-05-018R

Channel: Bernard Canal & Lateral 1

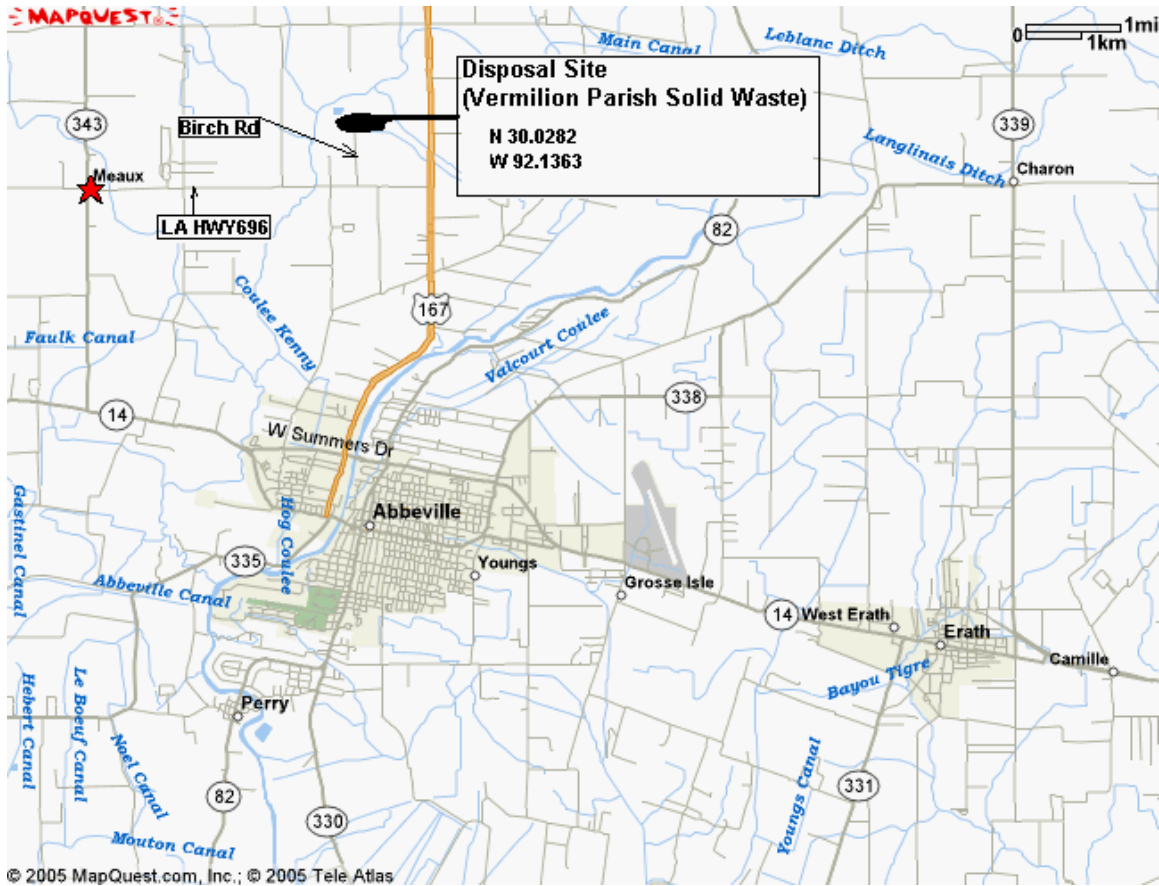
Vermilion Parish



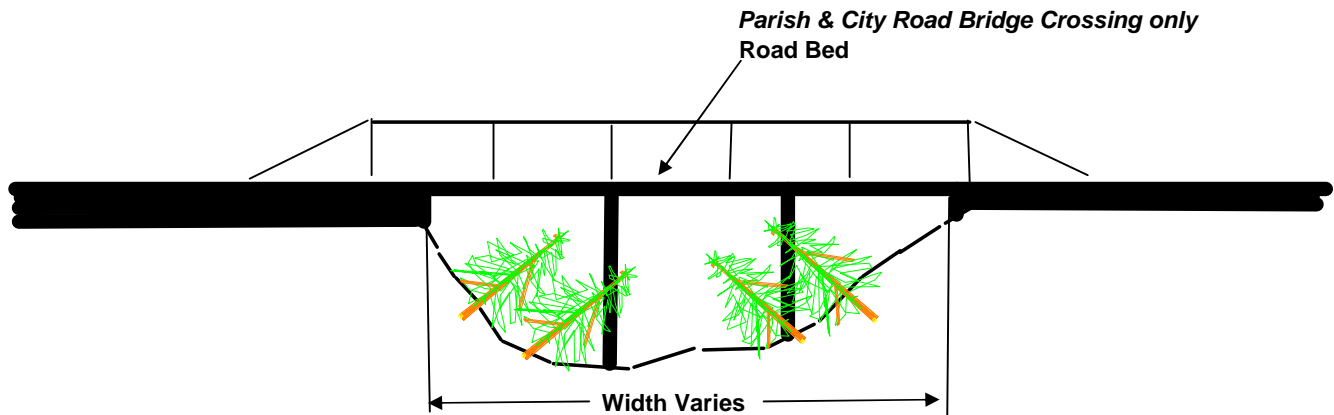
SITE MAP
DSR 113-05-018R
Channel: Bernard Canal & Lateral 1
Vermilion Parish



VERMILION PARISH SOLID WASTE DISPOSAL SITE LOCATOIN Vermilion Parish



Debris Removal



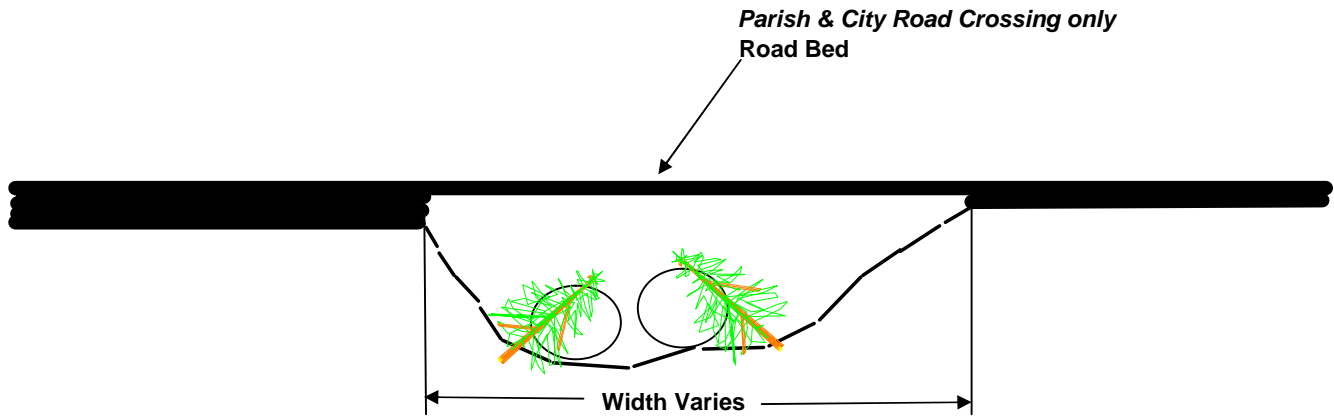
Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



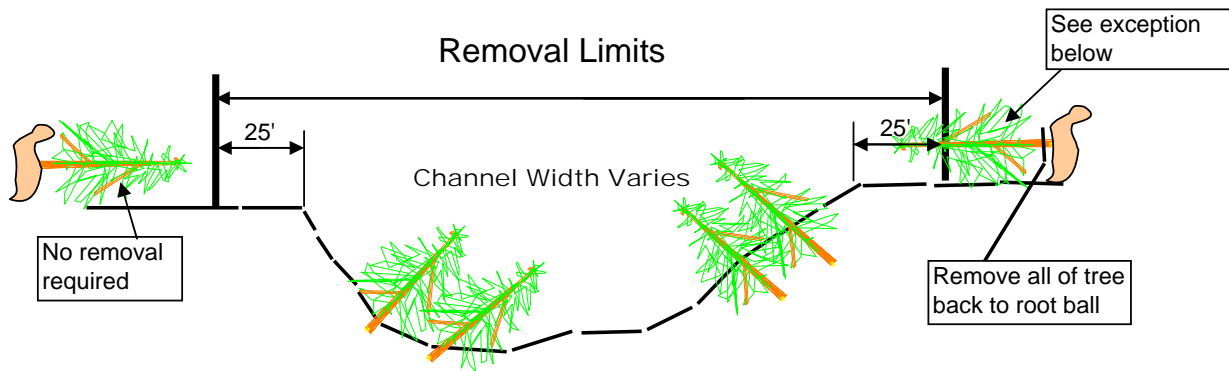
Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

Debris Removal



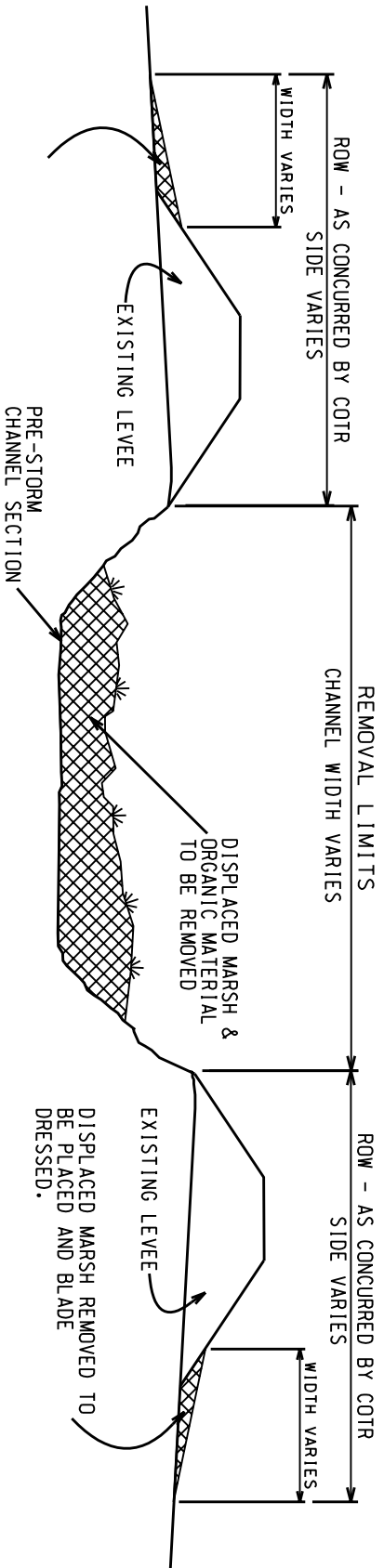
Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note :** Access and work both sides; however work to be performed on one side only in any reach as concurred in by COTR.

Exception it may be possible that trees which were located outside of the the removal limits may have fallen into the removal limits, the entire tree will be removed back to the root ball even if only a portion of the tree is within the removal limits

NOTICE:
48 Hours Before Digging
Call 1-800-272-3020



TYPICAL CHANNEL DISPLACED MARSH REMOVAL

NO EXCAVATION OUTSIDE PRE-STORM
CHANNEL SECTION

NOTES:

1. Rights of way on both sides of the channel; however work only from one side in any given reach as concurred in by COTR. Excavation of displaced marsh material is limited to removal of material to the pre-storm channel cross section. This is determined by the COTR by means of surveyed cross sections in an undamaged section of channel adjacent to the area where the displaced marsh is located. Also the invert shall not be lowered below any existing culvert inverts within the channel reach. NO EXCAVATION TO INCREASE CHANNEL SECTION WILL BE ALLOWED.
2. The displaced marsh material removed from the channel shall be placed at the field side toe of the existing levee and shall be blade dressed and left in a neat manner with no wheel or track ruts. Dressed disposal area shall then be seeded and fertilized in accordance with the specifications.

NO.	DATE	REVISIONS
1	12/20/2006	TITLE

FILE NAME	LA EMP
DRAWING NAME	

SHEET 8 OF 9



DSR 113-05-018R
BERNARD CANAL & LAT. 1
7TH WARD GRAVITY DRAINAGE DISTRICT
TYPICAL-CHANNEL DISPLACE MARSH REMOVAL

DESIGNED	8 of 9
DRAWN	
CHECKED	
APPROVED	

